

LEGEND

- Dam
- County Boundary
- WRIA Boundary
- Pool Reach

30 0 30
Scale in Miles

Map Projection:
UTM Zone 11, NAD 83

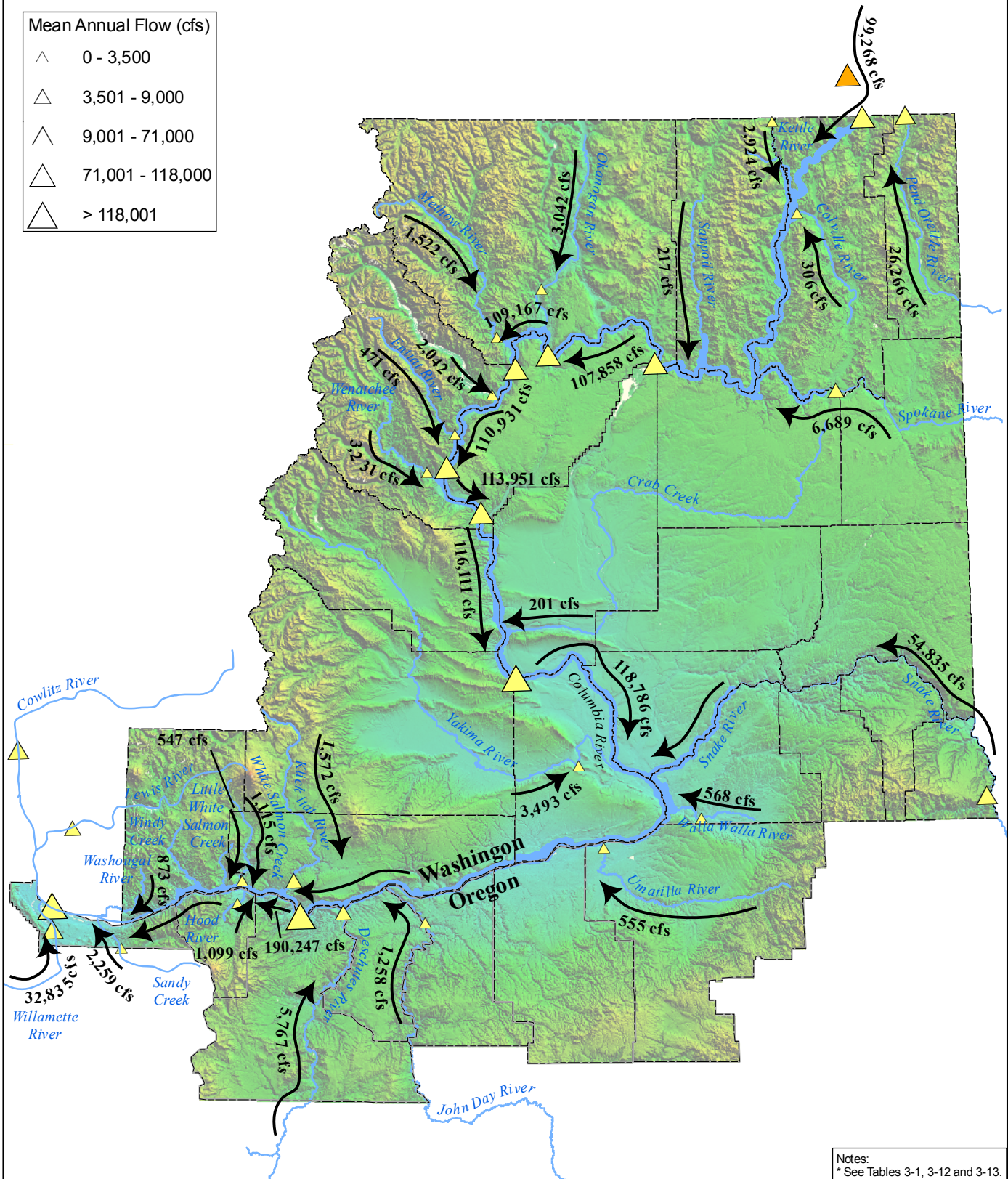
Source: WSDOE

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

FIGURE 3-1 MANAGEMENT UNITS OF THE COLUMBIA RIVER

WSDOE/COLUMBIA BASIN WATER SPPLY/WA

Mean Annual Flow (cfs)	
△	0 - 3,500
△	3,501 - 9,000
△	9,001 - 71,000
△	71,001 - 118,000
△	> 118,001



Notes:
* See Tables 3-1, 3-12 and 3-13.

LEGEND

- △ Environment Canada Gage
- △ USGS Gage
- River
- County Boundary
- Mean Annual Flow

20 0 20
Scale in Miles

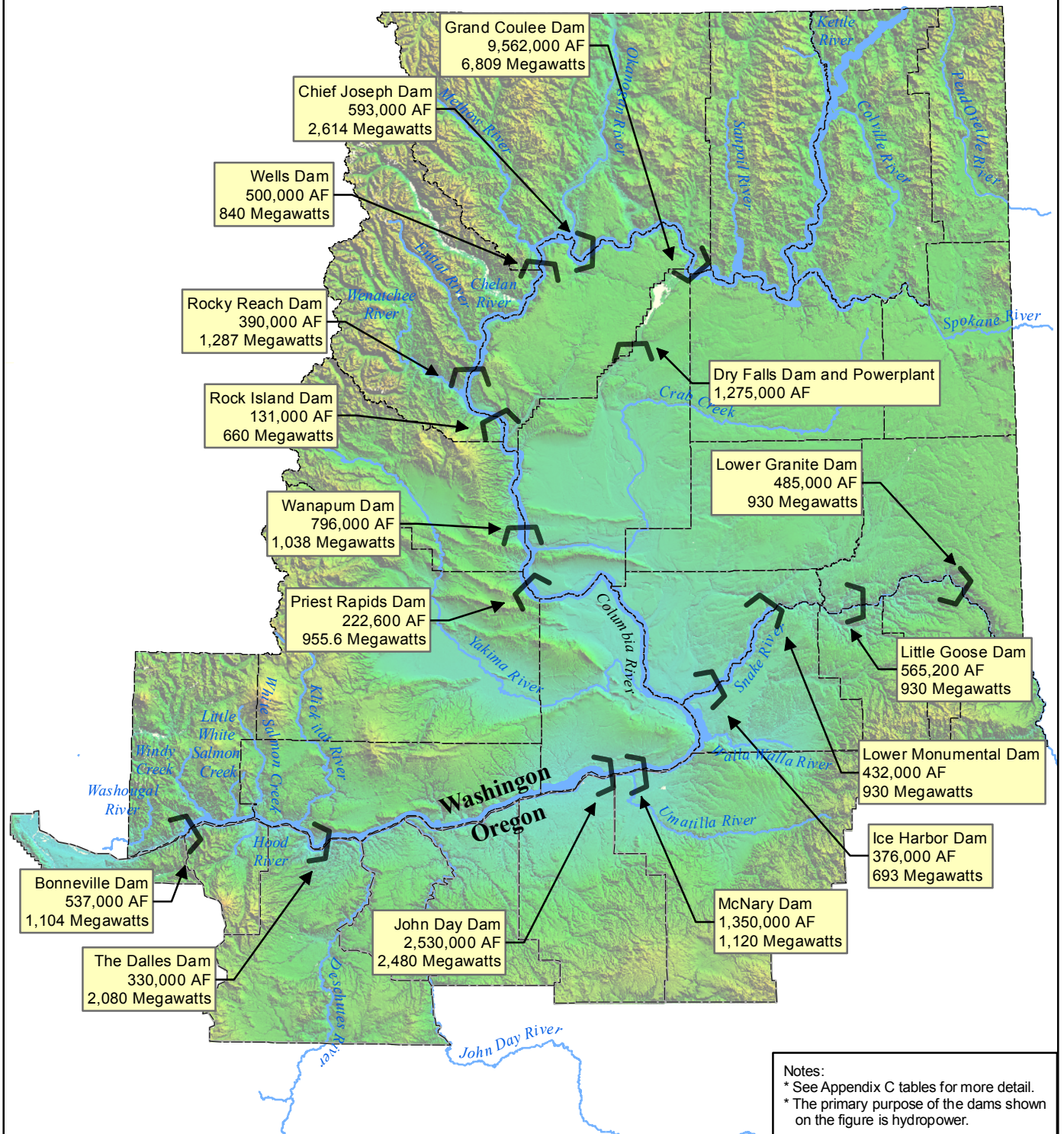
Map Projection:
UTM Zone 11, NAD 83

Source: WSDOE

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

FIGURE **3-2**
COLUMBIA BASIN FLOWS
WSDOE/COLUMBIA BASIN WATER SPPLY/WA

Golder Associates



LEGEND

- Dam
- River
- County Boundary

25 0 25
Scale in Miles

Map Projection:
UTM Zone 11, NAD 83

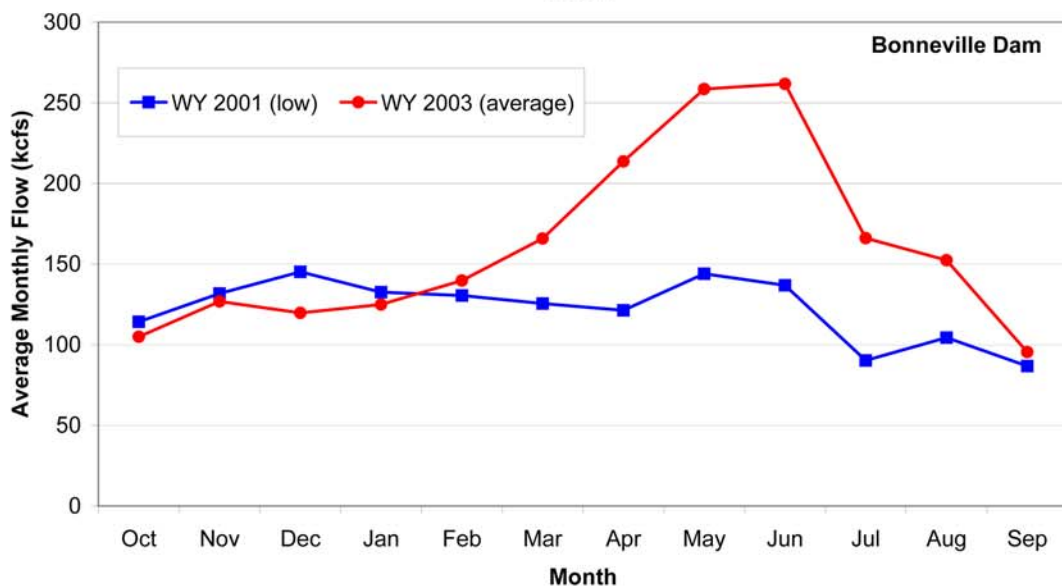
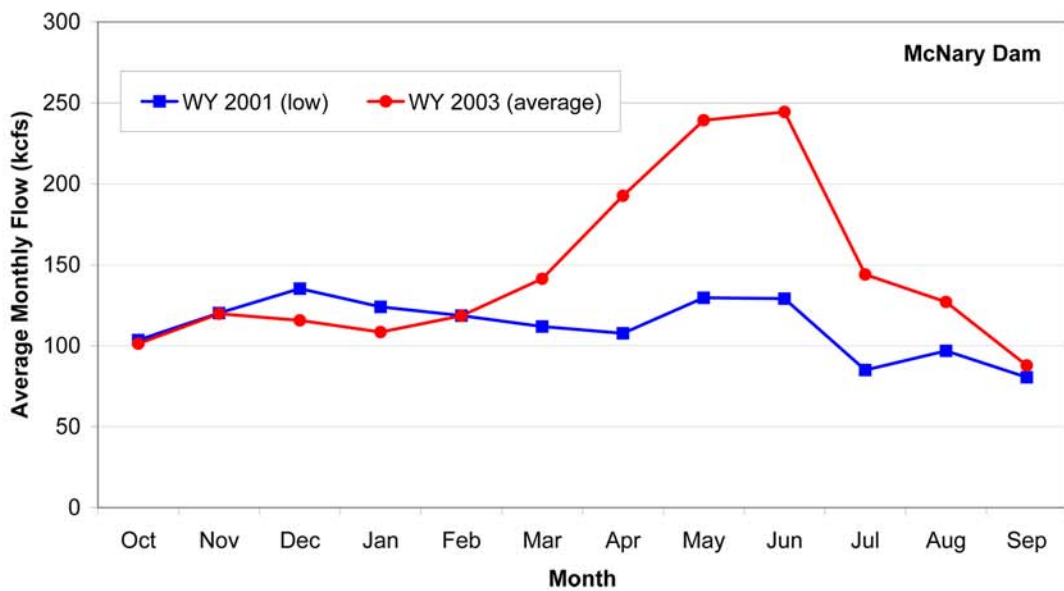
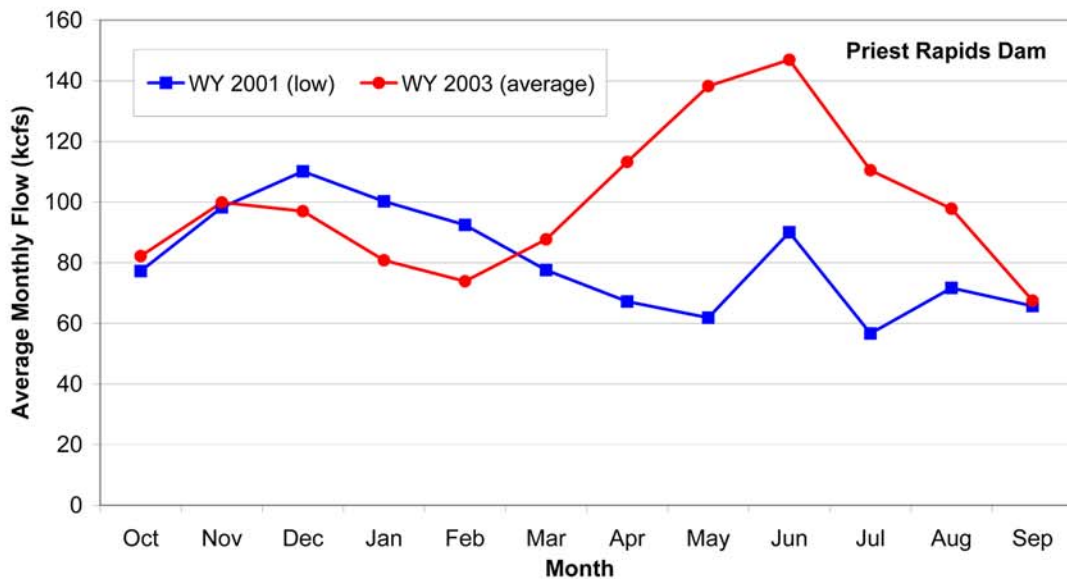
Source: WSDOE

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

FIGURE 3-3 COLUMBIA RIVER LARGE HYDROPOWER DAMS

WSDOE/COLUMBIA BASIN WATER SPPLY/WA

Golder Associates

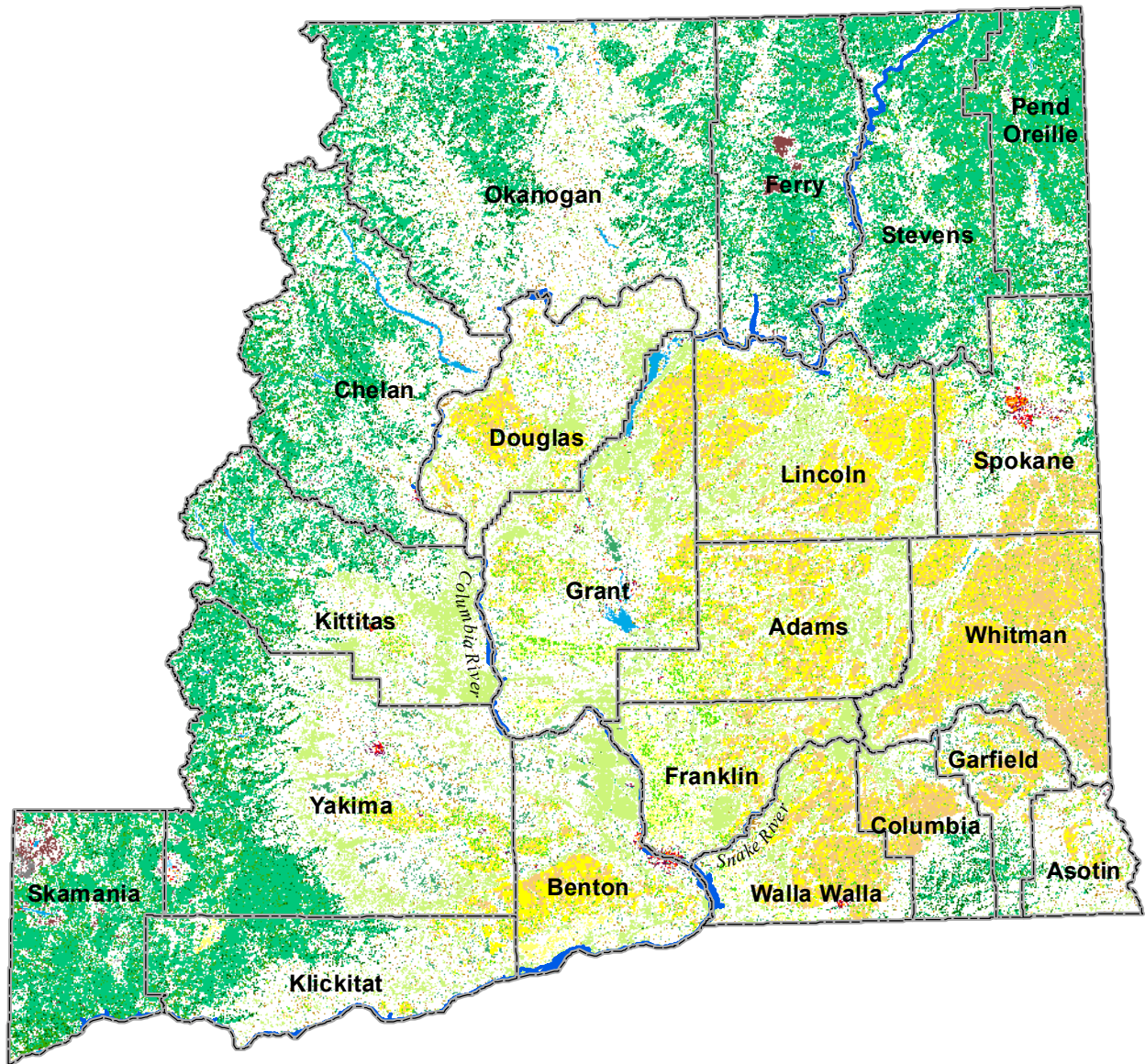























NOTES

KCFS Thousand Cubic Feet Per Second
 WY Water Year (October to September)

FIGURE 3-4
AVERAGE MONTHLY OUTFLOW FOR PRIEST RAPIDS, MCNARY, AND BONNEVILLE DAMS, AVERAGE AND DRY WATER YEARS

WSDOE/COLUMBIA BASIN WATER SUPPLY/WA



Land Cover Type			
	Bare Rock/Sand/Clay	 High Intensity Residential	 Row Crops
	Commercial/Industrial/Transportation	 Low Intensity Residential	 Shrubland
	Deciduous Forest	 Mixed Forest	 Small Grains
	Emergent Herbaceous Wetlands	 Open Water	 Transitional
	Evergreen Forest	 Orchards/Vineyards/Other	 Urban/Recreational Grasses
	Fallow	 Pasture/Hay	 Woody Wetlands
	Grasslands/Herbaceous	 Perennial Ice/Snow	
		 Quarries/Strip Mines	

Note:
* See Table 3-2 for more detail.

LEGEND

- River
- County Boundary

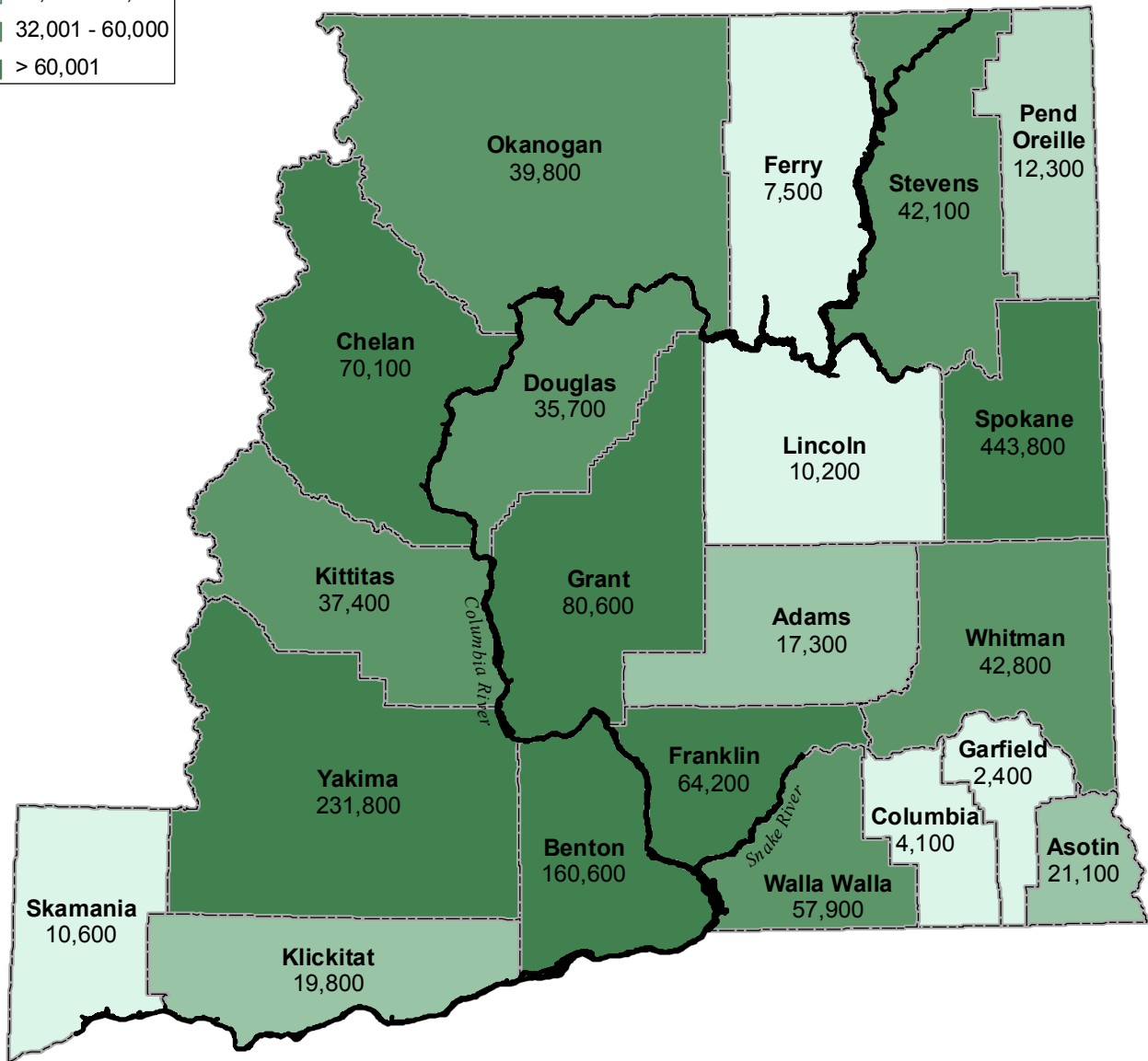
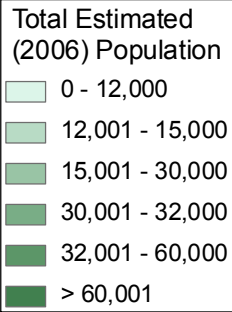
30 0 30
Scale in Miles

Map Projection:
GRS 1980 Albers

Source: WSDOE, USGS

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

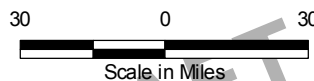
FIGURE **3-5**
COLUMBIA BASIN LAND COVER CHARACTERISTICS
WSDOE/COLUMBIA BASIN WATER SPPLY/WA



Note:
 * See table 3-4 for more detail.
 Reference: Office of Financial Management, Forecasting Division. File: gmacountychange.xls
 From: www.ofm.wa.gov (accessed 9/06) Modified June 29, 2006.

LEGEND

- River
- County Boundary



Map Projection:
 UTM Zone 11N, NAD 83

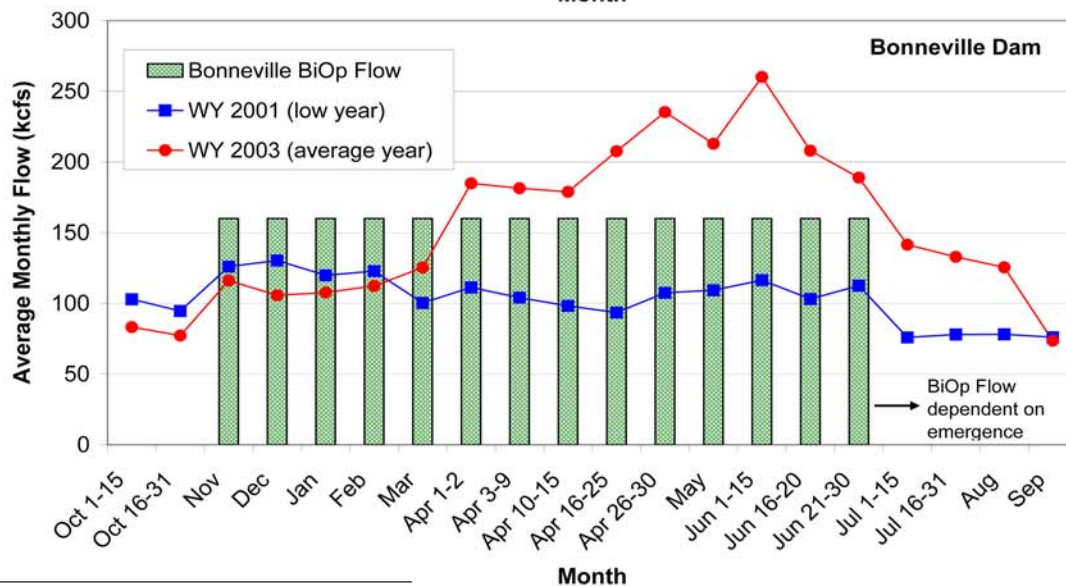
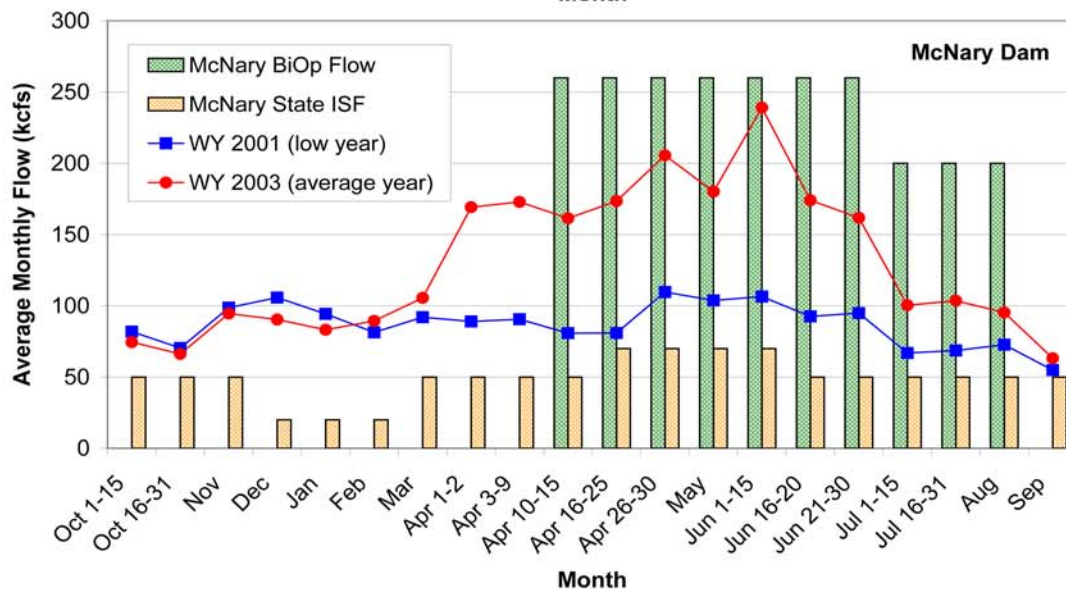
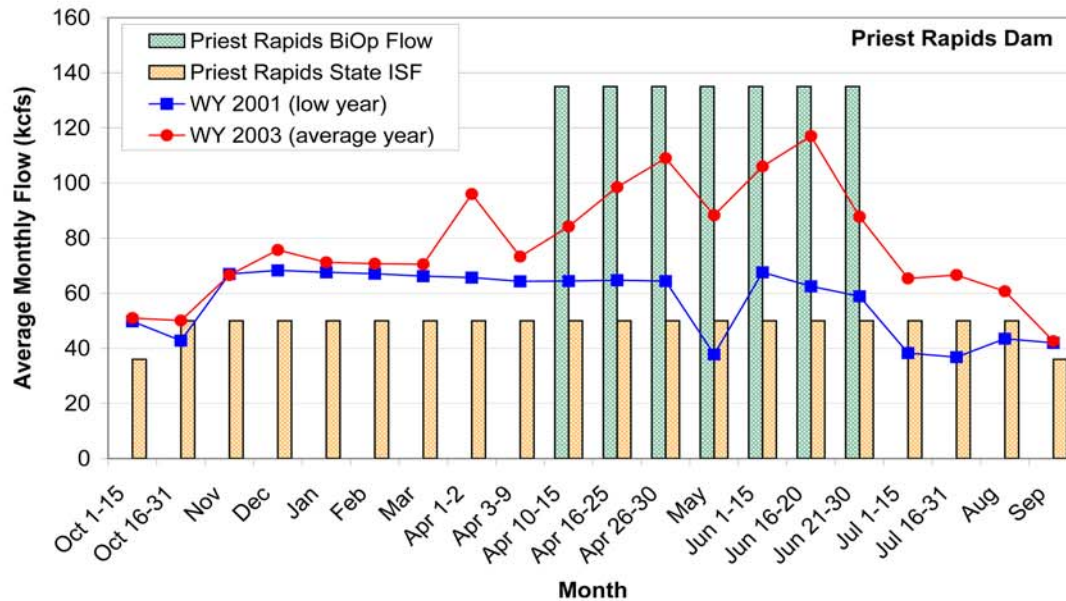
Source: OFM

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

FIGURE 3-6
2006 OFM

POPULATION ESTIMATE

WSDOE/COLUMBIA BASIN WATER SPPLY/WA

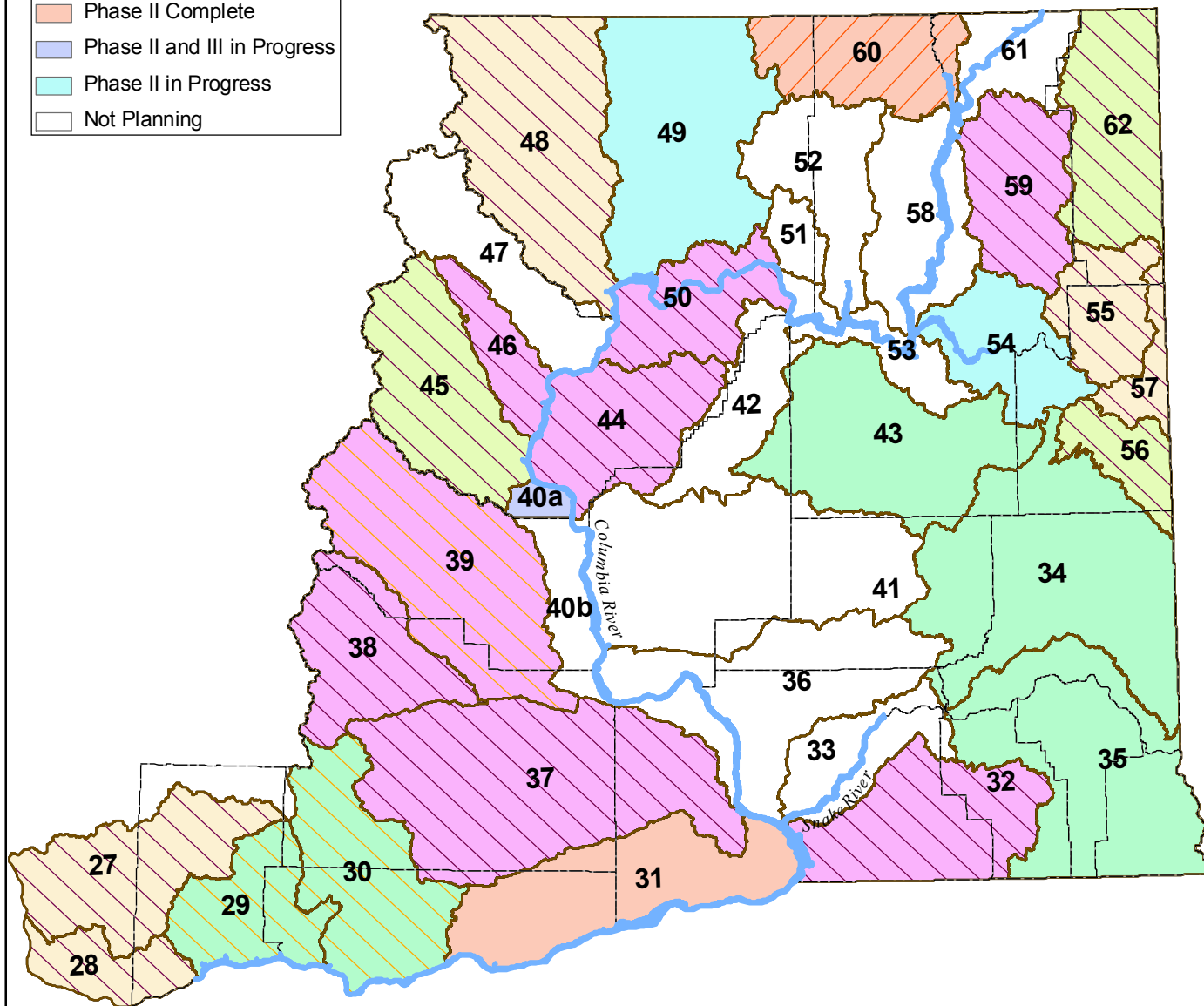


NOTES

KCFS Thousand Cubic Feet Per Second
 WY Water Year
 ISF Instream Flow
 BiOp 2004 Biological Opinion

FIGURE 3-7
**MINIMUM DAILY OUTFLOWS
 AND FLOW TARGETS FOR PRIEST
 RAPIDS, McNARY, AND BONNEVILLE DAMS**
 WSDOE/COLUMBIA BASIN WATER SUPPLY/WA

- Planning Status**
- Phase IV Complete
 - Phase IV in Progress
 - Phase III Complete
 - Phase III in Progress
 - Phase II Complete
 - Phase II and III in Progress
 - Phase II in Progress
 - Not Planning



Note:
 * See Table 3-9 for more detail.
 * Phase I is organization and scope.
 * Phase II is assessment.
 * Phase III is planning.
 * Phase IV is implementation plan and projects.

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

LEGEND

- County Boundary
- WRIA Boundary
- Planning Discontinued
- Approved by Planning Unit
- Approved by County

30 0 30
 Scale in Miles

Map Projection:
 UTM Zone 11, NAD 83

Source: WSDOE

FIGURE 3-8
STATUS OF WATERSHED
PLANNING IN THE
COLUMBIA BASIN

WSDOE/COLUMBIA BASIN WATER SPPLY/WA

